



ELSEVIER

Aquatic Toxicology 38 (1997) 297–298

**AQUATIC
TOXICOLOGY**

Contents of *Aquatic Toxicology*, Volume 38

Vol. 38 Nos. 1–3

May 1997

- P.M. Campbell and R.H. Devlin (Canada)*
Increased CYP1A1 and ribosomal protein L5 gene expression in a teleost: The response of juvenile chinook salmon to coal dust exposure 1
- A. Temara, M. Warnau, Ph. Dubois and W.J. Langston (Belgium, UK)*
Quantification of metallothioneins in the common asteroid *Asterias rubens* (Echinodermata) exposed experimentally or naturally to cadmium 17
- Y. Morcillo and C. Porte (Spain)*
Interaction of tributyl- and triphenyltin with the microsomal monooxygenase system of molluscs and fish from the Western Mediterranean 35
- R. Dallinger, M. Egg, G. Köck and R. Hofer (Austria)*
The role of metallothionein in cadmium accumulation of Arctic char (*Salvelinus alpinus*) from high alpine lakes 47
- L.D. Peters, H.R. Morse, R. Waters and D.R. Livingstone (UK)*
Responses of hepatic cytochrome P450 1A and formation of DNA-adducts in juveniles of turbot (*Scophthalmus maximus* L.) exposed to water-borne benzo[a]pyrene 67
- A.M. Sjölin and D.R. Livingstone (Sweden, UK)*
Redox cycling of aromatic hydrocarbon quinones catalysed by digestive gland microsomes of the common mussel (*Mytilus edulis* L.) 83
- M. Björk and M. Gilek (Sweden)*
Bioaccumulation kinetics of PCB 31, 49 and 153 in the blue mussel, *Mytilus edulis* L. as a function of algal food concentration 101
- J.G. McHenery, G.E. Linley-Adams, D.C. Moore, G.K. Rodger and I.M. Davies (UK)*
Experimental and field studies of effects of dichlorvos exposure on acetylcholinesterase activity in the gills of the mussel, *Mytilus edulis* L. 125
- I.J. Morgan, R.P. Henry and C.M. Wood (Canada, USA)*
The mechanism of acute silver nitrate toxicity in freshwater rainbow trout (*Oncorhynchus mykiss*) is inhibition of gill Na^+ and Cl^- transport 145
- H. Hummel, R. Modderman, C. Amiard-Triquet, F. Rainglet, Y. van Duijn, M. Herssevoort, J. de Jong, R. Bogaards, G. Bachelet, M. Desprez, J. Marchand, B. Sylvand, J.-C. Amiard, H. Rybarczyk and L. de Wolf (The Netherlands, France)*
A comparative study on the relation between copper and condition in marine bivalves and the relation with copper in the sediment 165

M.J. Attrill and M.H. Depledge (UK)

Community and population indicators of ecosystem health: targeting links between levels of biological organisation

183

Book Review

199

Vol. 38 No. 4

June 1997

D.R. Livingstone, C. Nasci, M. Solé, L. Da Ros, S.C.M. O'Hara, L.D. Peters, V. Fossato, A.N. Wootton and P.S. Goldfarb (UK, Italy)

Apparent induction of a cytochrome P450 with immunochemical similarities to CYP1A in digestive gland of the common mussel (*Mytilus galloprovincialis* L.) with exposure to 2,2',3,4,4',5'-hexachlorobiphenyl and Arochlor 1254

205

J.-P. Girard, C. Ferrua and D. Pesando (France)

Effects of tributyltin on Ca^{2+} homeostasis and mechanisms controlling cell cycling in sea urchin eggs

225

L.A. Lowcock, T.F. Sharbel, J. Bonin, M. Ouellet, J. Rodrigue and J.-L. DesGranges (Canada)

Flow cytometric assay for in vivo genotoxic effects of pesticides in Green frogs (*Rana clamitans*)

241

M.H. Grosell, C. Hogstrand and C.M. Wood (Denmark, USA, Canada)

Cu uptake and turnover in both Cu-acclimated and non-acclimated rainbow trout (*Oncorhynchus mykiss*)

257

G. Schüürmann, H. Segner and K. Jung (Germany)

Multivariate mode-of-action analysis of acute toxicity of phenols

277